Notice of Allowability	Application No.	Applicant(s)
	09/751,296	COXON ET AL.
	Examiner	Art Unit
	Mariceli Santiago	2879
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	or other appropriate communic RIGHTS. This application is subj and MPEP 1308.	is application. If not included
1. This communication is responsive to <u>Amendment filed Ap</u>	ril 29, 2004.	
2.  The allowed claim(s) is/are <u>1-12 and 14-20</u> .		
3. A The drawings filed on 28 December 2000 are accepted by		
4. ☐ Acknowledgment is made of a claim for foreign priority u  a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subman INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date	e been received. e been received in Application Note the communication to file a reserved.  of this communication to file a reserved in the communication to file a reserved in the communication.  itted. Note the attached EXAMINES reason(s) why the oath or deceived to be submitted. on's Patent Drawing Review (Parameter) and the communication on the drawing should be written on the drawing he header according to 37 CFR 1.1	this national stage application from the poly complying with the requirements  NER'S AMENDMENT or NOTICE OF claration is deficient.  TO-948) attached  TO-948) attached  TO-948 attached  TO-948 in the front (not the back) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F</li> </ol>	# -f DIOI 001011 111-	
Attachment(s)		
1. Notice of References Cited (PTO-892)	5. Notice of Informa	l Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	<ol><li>Interview Summa</li></ol>	ary (PTO-413)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	Paper No./Mail [ ), 7. ☐ Examiner's Amen	Date
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stater 9. □ Other	ment of Reasons for Allowance

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## **DETAILED ACTION**

## Response to Amendment

The Amendment, filed on April 29, 2004, has been entered and acknowledged by the Examiner.

Cancellation of claim 13 has been entered.

Claims 1-12 and 14-20 are pending in the instant application.

## Allowable Subject Matter

Claims 1-12 and 14-20 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 1, and specifically comprising the limitation of sintering an arc tube composition to for an arc tube, and annealing the arc tube in a vacuum, wherein the arc tube composition has an alumina content of about 99.99%, and wherein the alumina has a particle size up to about 10  $\mu$ m.

Regarding claims 2-9 and 11, claims 2-9 and 11 are allowable for the reasons given in claim 1 because of their dependency status from claim 1.

Regarding claim 10, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 10, and specifically comprising the limitation of sintering an arc tube composition to form an arc tube, and annealing the arc tube in a pressure of about 10 torr, wherein said arc tube composition has an alumina content of about 99.99%, and wherein the alumina has a particle size up to about 10  $\mu$ m.

Regarding claim 12, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 12, and specifically comprising the limitation

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of sintering an arc tube composition having a particle size up to about 10  $\mu$ m to form an arc tube, annealing the arc tube at a temperature from about 1000°C to about 1500°C in a pressure of about 10-6 torr and sealing the arc tube.

Regarding claims 14-20, claims 14-20 are allowable for the reasons given in claim 12 because of their dependency status from claim 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mariceli Santiago whose telephone number is (571) 272-2464. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

MAR SITION
Mariceli Santiago
Patent Examiner
Art Unit 2879

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